

STULHOFER, Dragan, inz.

Experimental determination of friction coefficient in pulling
ships ashore. Brodogradnja 14 no.4:122-135 '63.

STULHOFER, Dragan, inz.

Diagram for determining cable elements in raising sunken
ships. Brodogradnja 14 no.5:185-191 '64.

OBERHOFER, B.; STULHOFER, M.

Surgery of insuloma. Acta chir. iugosl. 3 no.3:218-226
1956.

1. Kirurska klinika Medicinskog fakulteta u Skoplju (direktor
prof. dr. Branko Oberhofer).
(ISLANDS OF LANGERHANS, neoplasms,
insuloma, surg. (Ser))

YUGOSLAVIA

STULHOFER, Dr Mladen; HERCIG, Dr Zlatko; MALJUNOVIC, Dr Sinisa; KRAMOVIC, Dr Dusan; BRADOVIC, Dr Stjepan; RAKULJIC, Dr Ivan; and STOLJAR, Ivica, of the Surgical Section (Kirurški Odjel) of the Dr G. Novosel General Hospital, Rudjer Boskovic Institute (Institut), and Surgical Clinic (Kirurška Klinika) of the Faculty of Veterinary Medicine (Veterinarski Fakultet), all in Zagreb.

"The Application of the Yugoslav-Designed Battery-Run Pacemaker for Stimulating the Heart in Open Heart Surgery."

Zagreb, Lijecnicki Vjesnik, Vol 85, No 7, July 1963, pp 721-727.

Abstract: [Authors' English summary modified] The authors state their conviction that the introduction of the pacemaker into clinical practice has been a great step forward in both cardiac surgery and cardiology. The authors, having constructed the first such apparatus to be made in Yugoslavia and having obtained entirely satisfactory results in experimental application with it, express the hope that clinical application will justify their expectations by making possible a considerable reduction in the high postoperative mortality among patients with acute surgically-induced heart block.

Eight illustrations, 16 references of recent date (mainly Western).

1/1

STULHOFER, Mladen, dr.

Extrapleural direct electric simulation of the heart. Liječn.
vjesn. 87 no.2:153-157 F '65.

1. Iz Kururskog odjela Opće bolnice "Dr. C. Novosel" u Zagrebu.

STULHOFER, Mladen, dr.; SLIJEPCEVIC, Sinisa, dr.

Total thymectomy in the treatment of myasthenia gravis. Lijecn.
vjesn. 87 no.5:531-534 My ' 65.

1. Iz Kirurskog odjela Opce bolnice "Dra O. Novosela" u Zagrebu.

STULHOFER, Mladen, dr.; SKRABALO, Zdenko, dr.; MERKIC, Bojan, dr.;
MIKULICIC, Mihajlo, dr.

Current status of the surgical therapy of hyperthyroidism.
Liječn. vjesn. 87 no.7:715-723 JI '65.

1. Iz Kururskog odjela i Interne klinike Opće bolnice "Dra
O. Novosela" u Zagrebu.

STULIK, F., inz.

Remarks on the Z. Horacek article: Small difficulties in designing water mains and sewer branches. Vodni hosp 14 no. 3:93-94 '64.

1. HDP, Prague.

APP. 11, FRONTIER, 1920.

Reinforced concrete large-section Vianini pipes. *Vodni hosp.* 11 no.9:325-326 1964.

• POP, : page 6

STULIK, F., inz.

Mistakes in making fibrocement water pipes., Vcdni
hosp 14 no.12:472-473 '64.

DOLEZAL, J.; POVONDRA, P.; STULIK, K.; SULCEK, Z.

Quick method for analyzing metals and inorganic raw materials.
Coll Cz chem 29 no.7:1538-1544 J1 '64.

1. Institut fur analytische Chemie, Karlsuniversitat und Polargraphisches Institut, Tschechoslowakische Akademie der Wissenschaften, Prague.

TEPLY, J., STULIK, V.; TEICHMANOVA, M.; MORAVEC, J.

radiation chemical formation of uranium peroxide in ketone solutions of uranyl nitrate. Coll Cz Chem 30 no.1:1-9 Ja '65.

1. Institute of Nuclear Research of the Czechoslovak Academy of Sciences, Rez near Prague (for Tepy, Teichmanova and Moravec).
2. Department of Technical and Nuclear Physics of the Czech Institute of Technology, Prague (for Stulik). Submitted February 19, 1963.

Stulcova, V.

Stulcova, V.

Country: Czechoslovakia

Academic Degrees:

Affiliation: Tuberculosis Research Institute (Výzkumný ústav tuberkulózy), Prague. Director: Docent Dr R. (Rudolf) KUVEKA.

Source: Prague, *Praktický v Tuberkulóze a v Hereditárním Plicním*, No 1, Apr 61, pp 276-280

Data: "Current Levels of Hyaluronic Acid in Tuberculous Patients"

Co-authors:

STULCOVA, V. Tuberculosis Research Institute, Prague

NOVAK, O.

L 37228-66 ENT(m)/ENP(j) JW/RM

ACC NR: AP6015394

(A)

SOURCE CODE: UR/0409/65/000/004/0512/0515

AUTHOR: Stulin, N. V.; Putokhin, N. I.

ORG: Kuybyshev Polytechnic Institute im. V. V. Kuybyshev (Kuybyshevskiy politekhnicheskoy institut)

TITLE: Nitro derivatives of 2-(1-naphthyl)thiophene

SOURCE: Khimiya geterotsiklicheskich soyedineniy, no. 4, 1965, 512-515

TOPIC TAGS: thiophene, organomercury compound, organic nitro compound

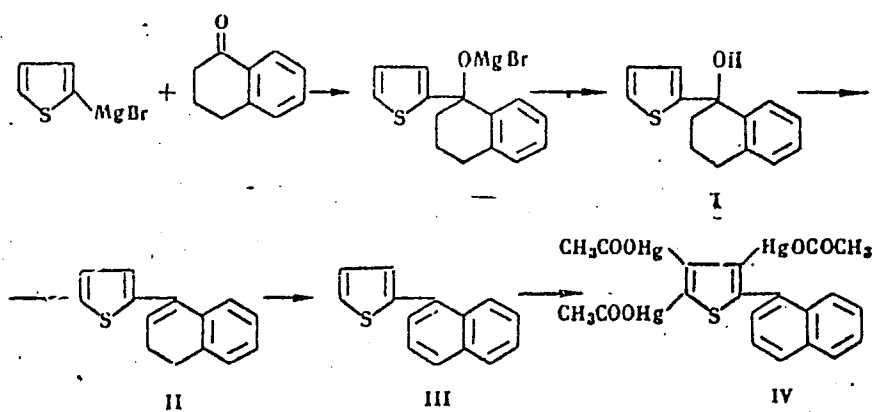
ABSTRACT: In order to synthesize 2-(1-naphthyl)thiophene, which has not yet been described in the literature, 2-[1-(3,4-dihydronaphthyl)]thiophene (II) was prepared by reacting 2-thienylmagnesium bromide with α -tetralone, the intermediate alcohol I was dehydrated, then compound II was dehydrogenated by heating with sulfur at 240-255°C, and 2-(1-naphthyl)thiophene was obtained in 88-92% yield. 2-(1-Naphthyl)thiophene is readily mercurated and yields 3,4,5-triacetoxymercuri-2-(1-naphthyl)thiophene (IV). Nitration of 2-(1-naphthyl)thiophene with copper nitrate in acetic acid produced two mononitro-2-(1-naphthyl)thiophenes, only one of which combines with mercury, forming diacetoxymercuri derivatives.

UDC: 547.736 + 542.951.8

Card 1/2

L 37228-66

ACC NR: AP6015394



SUB CODE: 07/ SUBM DATE: 15May64/ ORIG REF: 003/ OTH REF: 003

Card 2/2

STULIN, S.

Constructive thinking is appreciated here. Okh. truda i sots. strakh.
no.6:33-34 Ja '59. (MIRA 12:10)

1. Starshiy inzhener otdela tekhniki bezopasnosti 11-go Gosudarstvennogo
podshipnikovogo zavoda, Minsk.
(Minsk--Bearing industry--Hygienic aspects)

STULINSKI, J.

"Some compositional problems of industrial architecture in the buildings of the Lenin Metallurgic Plants."

p. 7 (Budownictwo Przemyslowe) Vol. 6, no. 11, Nov. 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

STULINSKI, J.

Construction of a prefabricated elevator at Rypin.

P. 12. (BUDOWNICTWO PRZEMYSLOWE) (Warszawa, Poland) Vol. 7, no. 1, Jan. 1958

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

STUMPF, J.

TECHNICAL

ARTISANAL: ~~INDUSTRIAL~~ PRELIMINARY. Vol 7, no. 8, Aug. 1958

STUMPF, J. Problems of color and of the quality of execution in industrial architecture. p. 31.

Monthly List of East European Accessions (SIAI) LC Vol. 8, no. 4
April 1959, Unclass

STULISHAYKO, I.G. (Kremenchug)

Freight cars have to conform to the higher requirements of
the operations. Zhel. dor. transp. 45 no.6:65-68 Je '63.
(MIRA 16:7)

1. Direktor Kremenchugskogo filiala Vsesoyuznogo nauchno-
issledovatel'skogo instituta vagonostroyeniya.
(Railroads—Freight cars)

STULISHAYKO, I.G.

Improved design of heavy six-axle gondola cars. Zhel. dor. transp.
46 no.10:44-47 0 '64. (MIRA 17:11)

1. Direktor Kremenchugskogo filiala Vsesoyuznogo nauchno-issledovatel'skogo instituta vagonstroeniya.

STULIY, L. A., Cand Med Sci -- (diss) "Comparative therapeutical effectiveness of biomyacin and syntomyacin in acute dysentery in children. (Clinico-experimental research)." Khar'kov, 1960. 14 pp; (Ministry of Public Health Ukrainian SSR, Khar'kov State Med Inst); 200 copies; free; (KL, 18-60, 157)

STULIY, L.A.; SAFRONOVA, O.N.; BUTS'KA, L.K., kand. med. nauk; KRIVOBOKOV, S.A. [Kryvobokov]; VOLOSHINOV, B.M. [Voloshynov, B.M.], dotsent BICHKOVSKIY, V.N. [Byshkova'kyi, V.N.] dotsent; POKOTILOVA, V.Yu. [Pokotylova, V. IU]; KOLESNIKOV, G.F. [Kolesnykov, H.F.]; ZLATKIS, L.S.; SAVOST'YANOVA, S.I.; BRIN, D.D. [Bryn, D.D.]; MATVEYENKO, Ye.A. [Matvienko, IE.A.]; BRONZ, L.M.; YEPSHTEYN, L.G. [Epshtein, L.H.], kand. med. nauk; SHAKHNOVICH, L.A. [Shakhnovych, L.A.]

Annotations and authors' abstracts. Pediat. akush. ginek. no.3:
31-34 '63 (MIRA 17:1)

1. Khar'kovskiy nauchno-issledovatel'skiy institut okhrany materinstva i detstva (for Stuliy). 2. Kafedra detskikh bolezney Odesskogo meditsinskogo instituta (for Safronova). 3. Ukrain'skiy institut okhrany materinstva i detstva (for Buts'ka). 4. Detskiy sanatoriy dlya rekonvalestsentov ot tuberkuleznogo meningita, Kiyev, Pushcha-Voditsa (for Krivobokov). 5. Detskaya klinika Ivano-Frankovskogo meditsinskogo instituta (for Voloshinov). 6. Kafedra detskikh infektsionnykh bolezney Krymskogo meditsinskogo instituta (for Bichkovskiy, Pokotilova). 7. Institut infektsionnykh bolezney Kiyev (for Kolesnikov). 8. Khar'kovskiy oblastnoy detskiy dom No.1 (for Zlatkis, Savost'yanova, Brin, Matveyenko). 9. Kafedra pediatrii Kiyevskogo med. instituta (for Bronz) 10. Kafedra fakul'tet koy pediatrii Gor'kovskogo med. instituta (for Yepshteyn). 11. 2-ya detskaya bol'nitsa Shevchenkovoyskogo rayona g. Kiyeva (for Shakhnovich).

STULIY, M., kand.tekhn.nauk; KUSHNARENKO, V., inzh.

Increasing concrete strength by brief early loading. Bud. mat.
i konstr. 4 no.2:48-50 Mr-Ap '62. (MIRA 15:9)
(Concrete--Testing)

STULIY, N. G.

"Investigation of the Load Capacity, Resistance to Fracture, and Rigidity of Two-Layer Ferroconcrete Flexible Elements With Previously Stressed Armature." Cand Tech Sci, Khar'kov Construction Engineering Inst, Khar'kov, 1954. (RZhMekh, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

SOV/124-58-1-1185

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 1, p 151 (USSR)

AUTHOR: Stuliy, N. G.

TITLE: On the Bearing Capacity, Crack Resistance, and Stiffness of Two-layer Reinforced-concrete Sandwich Elements With Prestressed Reinforcing Bars (O nesushchey sposobnosti, treshchinoustoychivosti i zhestkosti dvukhsloynnykh zhelezobetonnykh elementov s predvaritel'no napryazhennoy armaturoy)

PERIODICAL: V sb.: Khar'kovsk. obl. nauchno-tekhn. soveshchaniye po zhelezobetonnykh konstruktsiyam 13-15 dek. 1954 g. Khar'kov, 1956, pp 53-60

ABSTRACT: Bibliographic entry

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SOV/97-58-12-6/13

AUTHOR: Stuliy, N.G., Candidate of Technical Sciences

TITLE: Results of Investigation of Prestressed Reinforced Concrete Beams Cast in Two Layers (Rezultaty ispytaniya dvukhsloynnykh predvaritel'no napryazhennykh zhelezobetonnykh balok).

PERIODICAL: Beton i Zhelezobeton, 1958, Nr.12, pp.461-463 (USSR)

ABSTRACT: Comparison of actual breaking moments with those arrived at according to the formula of Prof. A.F. Loleyt shows approximately the same results. The maximum difference is between 5 and 9%. The beams in which high quality concrete had been substituted for ordinary concrete mark 100 in the compressed zone were only slightly weaker than the beams made solely from high quality concrete. When the strength of the concrete in the compressed zone was below 50 kg/cm² and klinker concrete substituted for ordinary concrete, a considerable decrease of strength resulted. The limit of compression of klinker concrete during bending is 25-30 x 10⁻⁴. The strength of 2-layer units decreases rapidly with decreasing strength

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SOV/97-58-12-6/13

Results of Investigation of Prestressed Reinforced Concrete Beams
Cast in Two Layers.

of the concrete in the compressed zone when this falls below 50 kg/cm^2 . Two-layer units are stronger than single-layer units reinforced with identical reinforcement. In Khar'kov Structural Engineering Institute (Khar'kovskiy inzhenerno-stroitel'nyy institut) four groups of beams (16 beams in all) with pretensioned reinforcement without anchoring, were produced and tested under the leadership of Prof. S.Ye. Frayfel'd (member of ASiA of Ukrainian SSR, Doctor of Technical Sciences). Fig.1 shows the test beams. They had a strong concrete layer of various thicknesses ($1/10$ to $1/2$ of the height) and klinker concrete of various strengths in the compressed zone (from $25\text{-}350 \text{ kg/cm}^2$). In the first group of beams the top layer was of ordinary concrete of the strength of $90\text{-}120 \text{ kg/cm}^2$; in the second group, klinker concrete of the strength of $70\text{-}90 \text{ kg/cm}^2$, and in the third, klinker concrete of the strength of $25\text{-}50 \text{ kg/cm}^2$. The fourth group of beams had unreinforced concrete, klinker concrete and beams reinforced with ordinary reinforcement. The

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SOV/97-58-12-6/13

Results of Investigation of Prestressed Reinforced Concrete Beams
Cast in Two Layers.

beams were 13 x 20 cm in cross section. The reinforcement for all the sixteen test beams was the same, i.e. 7 high tensile wires of 2 mm diameter having a limit of strength of 18000 kg/cm². The wire reinforcement of the beams of the second and third groups were cleaned with hydrochloric acid for the purpose of removing grease and increasing the roughness of the surface, according to the method of B.F. Troupyanskiy, Candidate of Technical Sciences (see Stroitel'naya promyshlennost', 1953, Nr.9). The tensioned reinforcement up to stresses of 14000 and 12500 kg/cm² was left for 3-5 weeks when tensioning was checked again, and it was found that tensioning had fallen to 11700 kg/cm² and 10800 respectively. Such a loss in tensioning could be explained only by relaxation in the reinforcement itself. This was proved by N.A. Shkurko, Candidate of Technical Sciences (Stroitel'naya promyshlennost', 1950, Nr.10). Beams were tested using hydraulic jacks constructed by N.F. Davydov, Candidate of Technical Sciences. For ascertaining deformation of concrete a lever-arm

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SOV/97-58-12-6/13

Results of Investigation of Prestressed Reinforced Concrete Beams
Cast in Two Layers.

tensimeter, and a tensimeter designed by Prof. N.N. Aistov, were used (Fig.2). Fig.3 shows graphs of deformation of beams under loading: Fig.4 gives curves of deformation of the beams; and Figs.5 and 6 show the testing of beams to breaking point. The results of these investigations are tabulated. There are 6 figures and 1 table.

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L 16178-63 EWP(k)/EWT(m)/EWP(q)/BDS AFFTC/ASD PF-4 JD/HW
 ACCESSION NR: AR3002690 S/0124/63/000/005/V067/V067

SOURCE: Rzh. Mekhanika, Abs. 5V551

AUTHOR: Staliy, N.G.

TITLE: Approximation method for experimental determination of stress relaxation in a pre-stressed armature

CITED SOURCE: Tr. Khark'kovsk. inzh.-stroit. in-ta, vyp. 21, 1962, 103-111

TOPIC TAGS: armature, relaxation, stress relaxation, cold-drawing

TRANSLATION: A method is suggested for the approximate experimental determination of the loss of pre-stressing of a wire from relaxation on the test bed (diagram provided). It is shown that a cold-drawn armature wire of periodic cross-section gives higher stress relaxation. The relaxation obtained is more than that corresponding to norm SM-10-57, when the initial stress σ_0 is greater than $0.70 R_s$ where R_s is the temporary resistance. A.S. Dvornichenko

DATE ACQ: 14Jun63

SUB CODE: ML

ENCL: CO

Card 1/1

S/125/62/000/008/C07/008
DO40/D113

AUTHOR: Štuljar, Pavel

TITLE: Development of the welding industry in Yugoslavia during the
past decade

PERIODICAL: Avtomatičeskaya svarka, no. 8, 1962, 86-90

TEXT: This is a brief review of the development of the welding industry in Yugoslavia. The following is mentioned: the activities of the Welding Society which has 5,000 members; participation in international work; the welding institute in Ljubljana and its branch in Maribor; a new welding institute taking shape in Belgrade; training of specialists; the production and export of welding equipment. It is expected that in a few years Yugoslavia will produce enough welding equipment for its own needs, and it is stressed that the special institutes and organizations are fully self-supporting. Photographs show products of the "Litostroj", "Jugomontaž" and "Iskra" plants. The latest products include welding machines and trans-

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Development of the welding industry ...

S/125/62/000/008/007/008
D040/D113

formers, standard resistance welders with electronic control, equipment for welding plastics and X-ray and isotope inspection equipment. There are 10 figures.

ASSOCIATION: Ljubljana Welding Institute, Yugoslavia.

Card 2/2

STUL'KEVICH, A.V., inah.

Study of planned filtration. Izv.VNIIG 64:263-268 '60.

(MIRA 14:5)

(Soil percolation)

ARAVIN, V.I., prof., doktor tekhn.nauk; STUL'KEVICH, A.V., starshiy inzh.

Study of planned pressureless percolation in hydraulically linked
layers. Izv. VNIIG 65:83-90 '60. (MIRA 14:5)
(Soil percolation)

DRUZHININ, N.I., doktor tekhn.nauk, prof.; STUL'KEVICH, A.V., inzh.

Sixth coordinating conference on fluid flow. Gidr.stroi. 34
no.11:57-59 N '63. (MIRA 17:3)

STULKIEWICZ, CZ

Sports and physical education. p. 2; ROLNIK SPOLDZIELCA. (Centrala Rolnicza Spoldzielni "Samopomoc Chlopska"); Vol. 8, no. 25, June 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress, Vol. 4, No. 12, December 1955.

JERZYKOWSKA, Kazimiera; BREBOROWICZ, Alfreda; SZCZEPANSKA, Zofia;
STULKOWSKI, Kazimierz

Syndrome of congenital malformations of the abdominal wall
muscles and of the renal tract in a newborn infant. *Pediat.*
Pol. 40 no.5:527-530 My '65.

1. Z I Kliniki Położnictwa i Chorób Kobietych AM w Poznaniu
(Kierownik: doc. dr. med. W. Michalkiewicz) i z Zakładu
Anatomii Patologicznej AM w Poznaniu (Kierownik: doc. dr.
med. P. Gabryel).

STULLER, G.

Preparation of aspherical surfaces. p. 309.

JEMNA MECHANIKA A OPTIKA. (Ministerstvo vseobecniho strojirenstvi) Praha,
Czechoslovakia.
Vol. 8, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 11, Nov. 1959
Uncl.

STULIER, G., inz. (Bratislava)

Testing of aspherical surfaces. Jemna mech opt 6 no.10:311-313
0 '61.

Z/030/60/000/04/03/022

AUTHOR: Štuller, G., Engineer, Technical Deputy

TITLE: Fifteen Years of Development of the Optical Industry Meopta at Bratislava

PERIODICAL: Jemná Mechanika a Optika, 1960, No 4, pp 105-106

TEXT: The author reviews the development of the Meopta Plant since its foundation in 1908. In the course of the reorganization of the Czechoslovak industry in 1958, the Plant became incorporated into the economic unit Meopta in Přerov. The following production plan was fixed at the conferences held in Jevane (1955) and in Prague (1956): optical observation devices, i.e. monocular and binocular telescopes; stationary projecting equipment, i.e. classical diapositive and epidiascope projectors and devices for automatic documentation in offices; laboratory measuring devices, i.e. photoelastometers, polariscopes, cameras for oscillographs, liquid refractographs, comparators, etc. The author emphasizes the technology of production of polarizing filters from synthetic materials and of large aspherical surfaces for lighting systems, mainly of aspheroidal surfaces, the meridian of which is an ellipse or a parabola. In cooperation with the universities the Meopta Plant assists in education and training of engineers from the GDR, from Hungary and the CSR. The Plant's Technical Library

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Z/030/60/000/04/03/022

Fifteen Years of Development of the Optical Industry Meopta at Bratislava

disposes over 1,654 books and 163 series of periodicals. The Photograph (p 105) shows a photoelastometer displayed at the Electrotechnical University in Ilmenau, GDR. The Photograph (p. 106) shows the "Medior" diapositive projector, and the Photograph (p. 106) the polariscope "PS, diameter 250, designed for the determination of strain in transparent materials. There are 3 photographs. ✓

ASSOCIATION: Meopta n.p., Bratislava (Meopta, People's Enterprise), Bratislava

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STULLER, G., inz.

"Mechanical engineering I. Technical design" by K. Masek. Reviewed
by G. Stuller. Jemna mech. opt. 6 no. 4: 132 Ap '61.

(Mechanical engineering) (Masek, K.)

L 31290-66

ACC NR: AP6022129

SOURCE CODE: CZ/0030/66/000/002/0037/0041

AUTHOR: Stuller, G. (Engineer; Candidate of sciences)

ORG: UTM, SAV, Bratislava

TITLE: Contribution to the solution of questions in measurement of aspherical rotary surfaces

SOURCE: Jemna mechanika a optika, no. 2, 1966, 37-41

TOPIC TAGS: measurement, solid analytic geometry, parameter, optic measurement, aspheric lens, coordinate system

ABSTRACT:

The article derives relations for determination of the parameters of rotary surfaces with conic section meridians, that is, the parameter p of the rotary paraboloid, the main semi-axis a and the eccentricity e of the rotary ellipsoid or hyperboloid, and gives an analysis of factors influencing the exactness of measurements. In addition, it deals with the method of determining the type of the meridian measured and the optical axis of the respective surface. Orig. art. has:

5 figures, 24 formulas, and 3 tables. [Based on author's Eng. abstract] [JPRS]

SUB CODE: 20, 12/ SUBM DATE: 05Nov65/ ORIG REF: 003/ SOV REF: 001/OTH REF: 003

Cord 1/1 CC

UDC: 535.317.9

L 31292-66 I WW/DJ

ACC NR: AP6022131

SOURCE CODE: CZ/030/66/000/002/0047/0048

AUTHOR: Stuller, Gabriel, (Engineer; Candidate of sciences)

ORG: none

TITLE: Experience in the use of air bearings 1

SOURCE: Jemna mechanika a optika, no. 2, 1966, 47-48

TOPIC TAGS: air lubricated bearing, pneumatic device, collimation, pressure effect

ABSTRACT: The article discusses the possibilities of application of pneumatic sliding bearings in various technical areas. The principle and design of those bearings are briefly discussed and measurement of the shifting force depending on the bearing air pressure is described. The guide accuracy in horizontal and vertical directions was measured with the auto-collimation method. Orig. art. has: 4 figures and 2 tables. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 13/ SUBM DATE: none/ OTH REF: 003

Card 1/1 CC

0915

0045

STULLER, G., inz.

Aspherical curves and their envelopes. Jemna meth opt 9
no. 1:14-15 Ja '64.

1. Slovenska akademia vied, Bratislava.

BAUER, Jan;STULLER, Julius

Experiences with Kuntscher's intramedullary osteosynthesis. Rozhl.
chir. 39 no.1:51-56 Ja '60

1. Chirurg. klinika LFUK Kosice, prednosta prof. MUDr. Jan Kozsovsky
Traumatolog. odd. KUNZ Kosice, prednosta prim. MUDr. Jan Bauer.
(FRACTURES, surg.)

STULLER, J.

Primary sarcoma of the gallbladder. Rozh. chir. 43 no.1:
40-43 Ja'64.

1. Chirurgicka klinika Lekarskej fakulty UPJS v Kosiciach;
prednosta prof.dr. J.Knazovicky.

*

FURDIK, Mikulas, prof., inz.; STULLEROVA, Alzbieta, inz.; RAPOS, Pavel,
inz.; PRIEHRADNY, Samo, dr.

Synthesis and herbicide efficiency of 1-ethynyl-cyclohexanol
derivatives. Chem zvesti 17 no.9:616-628 '63.

1. Katedra organickej chemie a biochemie, Prirodovedecka
fakulta univerzity Komenskeho, Bratislava, Smeralova 2 (for
Furdik and Stullerova). 2. Vyzkumny ustav agrochemickej
technologie, Bratislava - Predmestie (for Rapos and Priehradny).

L 00166-66 EPT(c)/ENP(j)/ENA(c) RPL RM/JW

ACCESSION NR: AP5025525

CZ/0043/6;/000/005/0353/0359

AUTHOR: Antos, K. (Antosh, K.) (Docent, Engineer, Candidate of sciences);
Stullerova, A. (Shtullerova, A.) (Graduate chemist); Knoppova, V. (Engineer);
Kristian, P. (Engineer, Candidate of sciences)

TITLE: Isothiocyanates. (XIV). Preparation and properties of some substituted
benzylisothiocyanates

SOURCE: Chemické zvesti, no. 5, 1965, 353-359

TOPIC TAGS: isocyanate, thiocyanate, IR spectrum, IR spectroscopy, spectrophotometric analysis, substituent

ABSTRACT: [Authors' English summary modified]: Synthesis of m- and p- substituted benzylisothiocyanates is described. Because the amines of the starting materials are sensitive to atmospheric carbon dioxide, the reaction must be conducted in a nitrogen atmosphere. The reaction medium is maintained slightly alkaline, and the amine is liberated by stepwise addition of a solution of NaOH. Spectrophotometric study of the reaction in ultraviolet light shows that the reactivity of various benzyl-
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L 00166-66

ACCESSION NR: AP5025525

isothiocyanates differs only slightly when glycine is added to their solutions. The infrared spectra of the synthesized benzyl-isothiocyanates in the region of 2000 to 2200 cm^{-1} show that the values of ν_{asym} . NCS agree well with the $\sigma_{\text{sub 1}}$ values of the individual substituents. 12

"Docent L. Drobnic and Engineer J. Augustin are thanked for their advice and help in the kinetic measurements. Graduate chemist E. Solcaniova is thanked for measuring the infrared spectra." Orig. art. 44, 55
has: 3 graphs and 2 tables.

ASSOCIATION: Katedra Organickej Chemie Slovenskej Skoly Technickej, Bratislava (Department of Organic Chemistry, Slovak Technical University) 44, 55

SUBMITTED: 16Feb65

ENCL: 00

SUB CODE: OC, OP

NR REF SOV: 000

OTHER: 018

JPRS

Card 2/2

STUL'NIKOV, N.I., inzh.

Icing of pipes. Put' i put. khoz. 7 no.11:35 '63. (MIRA 16:12)

1. Zamestitel' nachal'nika Kotlasskoy distantzii.

STUL'NIKOV, N.N., kand.tekhn.nauk

Scientific technological session on problems of the construction of gas turbines. Vest.AN SSSR 33 no.2:126-127 F '63.
(MIRA 16:2)

(Gas turbines)

STH L'VIN' V NP

7512. HIGH SCIENTIFIC AND TECHNICAL CONFERENCE ON PROBLEMS OF COALIN AND HEAT POWER PLANTS. Stalinokov, N.P. (Yev. Acad. Sci. USSR). Tr. Akad. Nauk SSSR, Ser. Tekh. Sci., Nov. 1955, 12 pages. (The proceedings of a conference, held in Moscow in October 1955 by the Commission on Gas Turbines, Academy of Sciences USSR, in conjunction with the Institute of Coal and Power Engineering, Moscow, in connection with the 30th anniversary of the founding of the USSR.)

7. APPLICANT'S STATEMENT OF WORKING EXPERIENCE

STUL'NIKOV, N.P.

STECHKIN, B.S., akademik, otvetstvennyy red.; STUL'NIKOV, N.P., starshiy nauchnyy sotrudnik, kand.tekhn.nauk, red.; BLYUDOV, V.P., kand. tekhn.nauk, red.; SHUVALOV, G.I., kand.tekhn.nauk, red.; VESNNICHENKO, Ye.K., red.; GERASIMOVA, Ye.S., tekhn.red.

[Gas turbines; principal problems in constructing gas turbines.
▲ collection of articles. Translations] Gazovye turbiny; osnovnye
problemy gazoturbostroeniia. Sbornik statei. Moskva, Izd-vo
inostr. lit-ry, 1957. 230 p. (MIRA 11:5)
(Gas turbines)

STECHKIN, B.S., akad.st.nauchn.sotrudnik, red.; STUL'NIKOV, N.P., kand.tekhn.
nauk,red.; BLYUDOV, kand.tekhn.nauk, red.; SHUVALOV, G.I., kand.tekhn.
nauk,red.; VINNICHEVSKO, Ye.K., red.; GRIBOVA, M.P., tekhn.red.

[Gas turbines; use of stationary and movable gas turbines in various
branches of industry; collection of articles] Gazovye turbiny:
ispol'zovanie statsionarnykh i peredvizhnykh gazotrubinykh ustanovok
v razlichnykh otraslyakh promyshlennosti: sbornik statei. Moskva,
Izd-vo inostr. lit-ry, 1958. 178 p. (MIRA 11:8)

1. Komissiya po gazovym turbinam AN SSSR, (for Stul'nikov, Blyudov,
Shuvalov.)

(Gas turbines)

SOV/24-59-1-34/35

AUTHOR: Stul'nikov, ^{N.} A.P.

TITLE: The Twelfth Scientific-Technical Meeting on Gas Turbine Manufacture (Dvenadtsataya nauchno-tekhnicheskaya sessiya po gazoturbostroyneniyu)

PERIODICAL: Izvestiya Akademii Nauk, SSSR, Otdeleniye Tekhnicheskikh Nauk, Energetika i Avtomatika, 1959, Nr 1, pp 144-145 (USSR)

ABSTRACT: The 12th Scientific-Technical meeting on the problems of manufacturing stationary and mobile gas turbines, convened by the Commission on Gas Turbines, was held in Moscow on November 26-28th 1958. Over 200 people were present, representative of 80 organisations (institutes of the USSR Academy of Sciences and of the Ukrainian Academy of Sciences, department research institutes, laboratories and design offices of turbine works, teaching establishments and planning organisations). In his opening address Academician B.S. Stechkin pointed out that, as a result of extensive work by manufacturers as well as by research institutes, NZL is proceeding with series manufacture of gas turbines with unit ratings of 4000 kW, operating at 700°C, to be installed in pumping

Card 1/7

SOV/24-59-1-34/35

The Twelfth Scientific-Technical Meeting on Gas Turbine Manufacture stations of long distance gas pipe lines. The following papers were read:

- 1) A.Ye.Satanovskiy (Gosplan SSSR) - "Prospects of development of the manufacture of stationary and mobile gas turbines during 1959-1965" in which the author dealt with the basic trends in the manufacture of gas turbine for use in conjunction with gas pipelines in power stations, in ships and as mobile power stations.
- 2) L.D.Frenkel - "Experience of starting and setting liquid fuelled ga. turbine units of 12,000 kW operating at the Shatsk "Podzemgas" station". In this paper the GT12-3 gas turbine is described, which was commissioned in February 1958, pointing out that, during the tests, the parameters proved to be almost identical to the calculated values.
- 3) G.I.Shuvalov - "Results of mastering and operation of a stationary 15,000 kW gas turbine at the heat-power station of the VPI".
- 4) D.I.Mariyev - "Prospects of using gas turbines with an open cycle in heating networks". In this paper the author gave the results of technical and economic

Card 2/7

SOV/24-59-1-34/35

The Twelfth Scientific-Technical Meeting on Gas Turbine Manufacture

calculations of the potentialities of open cycle gas turbines for heating networks. Utilisation of the heat of the waste gases of gas turbines for district heating i.e. for pre-heating the water of the heating system in a water pre-heater of a special design which is fitted behind the regenerator, will improve the economics of gas turbine units.

5) In his paper on the "Problem of combined operation of turbines and of motor generators in gas turbine units with a free piston gas generator" S.I.Pogodin analysed the conditions of combined operation of a motor generator in the turbine and has outlined a method of selection of the calculated parameters of the gas for a turbine operating jointly with a motor generator.

6) I.T.Shvets, Ye.P.Dyban, M.V.Stradonskiy, G.F.Selyavin, read the paper "Experimental investigation of the air-flow through a hole in rotating discs". In this a description was given of an experimental installation and also the results of experiments on the flow of air through a hole in rotating discs for average

Card 3/7

SOV/24-59-1-34/35

The Twelfth Scientific-Technical Meeting on Gas Turbine Manufacture

flow speeds in the holes of 10-150 m/sec for various disc speeds up to 8300 rpm. Experimental relations were derived which are recommended for calculation of the cooling of rotors of gas turbines and of the axial forces in the rotating stages of steam and gas turbines.

7) I.T.Shvets, V.I.Fedorov and G.A.Kil'chinskiy, in their paper "Application of approximate methods for solving the problem of thermal conductivity" describe the application of the method of Galerkin for solving simple axis-symmetrical problems of non steady state thermal conductivity in bodies of complex configurations.

8) In the paper "Investigation of compressors of the GT-12-3 turbine, operating with their natural parameters, at the test stand of the works", F.S.Bedcher reported on certain results of preliminary investigations of the mechanical strength and gaso-dynamic characteristics.

9) A.P.Gofflin read the paper "Calculation of multistage axial compressors during normal and transient regimes on the basis of the characteristic of an isolated stage, based on data of one stage obtained by a method evolved by TsKTI".

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SOV/24-59-1-34/35

The Twelfth Scientific-Technical Meeting on Gas Turbine Manufacture

- 10) Sh.Kh. Shkumatov read the paper "Calculation of an arbitrary plane, vortex free, supersonic flow with a relatively large curvature".
- 11) A.M.Zavodovskiy read the paper "Results of the investigations carried out by TsKTI on the aerodynamics of the flow part of gas turbines"; he gave tests of a number of industrially produced compressors, determined according to the TsKTI method.
- 12) N.I.Belokon' - "Basic principles of the thermodynamic calculation of gas turbine units".
- 13) B.P.Mironov, in his paper "Investigation of the convective heat exchange on screens placed along the faces of a rotating disc", described results of the tests on analogues of the cooling of the rotor of a gas turbine by stationary water screens, fitted along its faces.
- 14) L.G.Gel'fenbeyn, in his paper "Selection of the effective heat surface and of optimum parameters of regenerators of gas turbines", dealt with the development of a new sheet profile heating surface of regenerators, consisting of corrugated sheets with fine grain

Card 5/7

SOV/24-59-1-34/35

The Twelfth Scientific-Technical Meeting on Gas Turbine Manufacture

protrusions.

15) E.G.Narezhnyy read the paper "Method of calculation of the maximum temperature of a flame tube of a gas turbine combustion chamber". On the basis of results of investigation of the heat exchange and of the conditions of operation of the metal in a combustion chamber with a vortex device, he evolved a method of calculation of the maximum temperature of the flame tube of a chamber operating with liquid fuel.

16) V.I.Gaygerov, I.A.Barskiy, in their paper "The optimum conditions of regulation of mobile 2-shaft gas turbine units with nozzle systems which can be regulated", investigated the problem, arriving at the conclusion that nozzle regulation of a 2-shaft gas turbine can bring about an appreciable increase of the gas turbine efficiency during partial loading without affecting its efficiency at the rated conditions of operation.

A resolution was passed, emphasising the necessity of pressing on with the development of gas turbines with large unit ratings for use in power stations of the size of 1 million kW and higher and of new units for

Card 6/7

SOV/24-59-1-34/35

The Twelfth Scientific-Technical Meeting on Gas Turbine Manufacture
compressor stations of gas pipelines and also to extend
investigations on the cooling of individual gas turbine
elements, shortening the starting time of gas turbines
etc.
This is a full translation.

Card 7/7

26(1)
 AUTHOR: Stul'nikov, N. P., Candidate of Technical Sciences SOV/30-59-2-49/60

TITLE: Problems of Gas-turbine Building (Problemy gazoturbostroyeniya)

PERIODICAL: Vestnik Akademii nauk SSSR, 1959, Nr 2, pp 108-109 (USSR)

ABSTRACT: The 12th Scientific-Technical Meeting on Problems in Gas-turbine building took place from November 26 to 28, 1958, which had been convened by the Komissiya po gazovym turbinam Akademii nauk SSSR (Commission for Gas Turbines of the Academy of Sciences, USSR). Representatives of scientific research institutions, universities, design offices of turbine-building works, planning organizations, Sovnarkhozes, of the State Planning Committees of the USSR and RSFSR, of the Committee of the Council of Ministers of the USSR attended the Meeting. The following reports are mentioned by the author:
 B. S. Stechkin, Academician reported in his opening speech among other things that the Nevskiy mashinostroitel'nyy zavod im. V. I. Lenina (Nevskiy Machine-building works/Imeni V. I. Lenin) has started the series production of gas turbine units (GTU) with a unit capacity of 4,000 kw, 700⁰, for pumping stations of

Card 1/3

Problems of Gas-turbine Building

SOV/30-59-2-49/60

remote gas lines. He said, however, that still many a problem has remained unsolved.

A. Ye. Satanovskiy reported on the prospects of the development of gas-turbine building in the years 1959-1965.

V. I. Gaygerov and I. A. Barskiy reported on gas turbines with controllable nozzles.

D. I. Mariyev showed that the utilization of waste gases for remote heating increases the economy of gas turbine plants.

L. D. Frenkel' reported on experiments for the starting and operation of a liquid-fuelled gas turbine unit with a capacity of 12,000 kw at the Shatskaya stantsiya Podzemgaza (Shatskaya Power Plant, Podzemgaz), G. I. Shuvalova on the starting of a stationary gas turbine unit with a capacity of 15,000 kw in the TETs VTI.

A. M. Zavodovskiy, Sh. Kh. Bikbulatov, I. T. Shvets, Ye. P. Dyban,

M. V. Starodomskiy and G. F. Selyavin discussed investigations of the aero-dynamics of the part of flow passage (protochnaya chast') of gas turbines and axial compressors.

B. P. Mironov, L. G. Gel'fenbeyn and E. G. Narezhnvy reported on the intensification of heat exchangers.

I. T. Shvets, V. I. Fedorov and G. A. Kil'chinskaya reported on the application of approximation methods for the solution of

Card 2/3

Problems of Gas-turbine Building

SOV/30-59-2-49/60

problems of thermal conductivity.

S. I. Pogodin reported on the cooperation of the turbine with a motor generator in a gas turbine unit.

F. S. Bedcher spoke of the testing of compressors of the GT-12-3 unit on the factory test grounds.

A. P. Goflin reported on the computation of multi-stage axial compressors.

On the Meeting the necessity of accelerating the elaboration of designs of gas turbine units of high capacity (100,000 kw and more) was emphasized. Work for the design of intense small-scale heat exchanger and compressor types is to be extended.

Card 3/3

S/143/61/000/007/004/004
D053/D113

AUTHOR: Stul'nikov, N.P., Candidate of Technical Sciences

TITLE: The 14th scientific and technical session on gas turbine problems

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Energetika, no. 7, 1961, 122-124

TEXT: The XIV nauchno-tekhnicheskaya sessiya po problemam statsionarnogo i transportnogo gazoturbostroyeniya (14th Scientific and Technical Session on Problems of Stationary and Transport Gas Turbine Construction) took place in Moscow from March 28 to 30, 1961. It was summoned by the Komissiya po gazovym turbinam Akademii Nauk SSSR (Commission for Gas Turbines of the Academy of Sciences USSR), and was attended by 300 delegates from 150 organizations, including scientific research institutes, of or associated with the AS USSR, schools of higher education, design offices of turbine plants, committees of the Sovet Ministrov SSSR (USSR Council of Ministers), sov-narkhozes, etc. A total of 22 scientific reports were read, including the following: 1) "On the development of scientific research in the construction of gas turbines operating at high pressures and high temperatures" read by Card 1/5 ✓

The 14th scientific and technical session...

S/143/61/000/007/004/004
D053/D113

B.S. Stechkin, Academician; 2) "Some results of investigating the flow section of a centripetal turbine" read by A.P. Tunakov of the Kazanskiy aviatsionnyy institut (Kazan' Aviation Institute); 3) "Investigations of the power engineering potentialities of gas turbine plants with high-temperature turbines" read by D.I. Mariyev, Candidate of Technical Sciences, of the VTI; 4) "The reduction in the intensity of a flow break from the surface" read by V.K. Migay, Candidate of Technical Sciences, of the TsKTI; 5) "Experience in the operation of the T-12-3 (GT-12-3) gas turbine plant no. 1 of the LMZ at the Shatsk "Podzemgaz" Station" read by Blokhin [Abstracter's note: initials omitted in the original], Engineer, of the Shatskaya stantsiya podzemnoy gazifikatsii uglia (Shatsk Underground Coal Gasification Station); 6) "Experience in the combustion of heavy grades of liquid fuel in the combustion chambers for gas turbine locomotives" read by L.K. Kist'yanets, Candidate of Technical Sciences, of the VNII zh.-d. transporta (VNII of RR Transport); this report dealt with experimental investigations conducted at the TsNII MPS in cooperation with the Kolomenskiy teplovozostroitel'nyy zavod (Kolomna Diesel Locomotive Plant); 7) "An investigation of heat emission in turbine airfoil cascades" delivered by L.M. Zysina-Molozhen, Doctor of Technical Sciences, M.P. Polyak, Engineer, and I.B. Uskov, of the Card 2/5

The 14th scientific and technical session...

S/143/61/000/007/004/004
D053/D113

TsKTI im. Polzunov; this paper dealt with investigations carried out on a ГТ-700-4 (GT-700-4) gas turbine produced by the Nevskiy mashinostroitel'nyy zavod (Neva Machine Building Plant); 8) "Corrosion and means of protecting heat-proof alloys during the operation of a gas turbine plant running on oil from the eastern deposits" delivered by S.G. Vedenkin, Professor, A.I. Maksimov, Engineer, and P.V. Sorokin, of the TsNIITMASH; 9) "Experimental investigations of a gas turbine blading operating in a gas flow containing ash" read by S.Sh. Rozenberg, Engineer, of the TsKTI im. Polzunov; 10) "Some data on the use of anticorrosion additions to residual fuels containing vanadium and sulfur" delivered by V.G. Nikolayeva, Candidate of Technical Sciences, A.Ya. Dukhnina, B.I. Komarov, Engineer, and G.I. Levinson, Junior Scientific Associate, of the VNII NP; 11) "An investigation of the air flow cooling of gas turbine disks" delivered by L.A. Dorfman, Candidate of Physics and Mathematics, and Yu.S. Osherov, Engineer, of the Neva Machine Building Plant im. V.I. Lenin; 12) "Preliminary data on an investigation of the experimental combustion chambers of a ГТУ-50-800 (GTU-50-800) gas turbine plant" delivered by M.A. Polyatskin and A.A. Shatil', Candidates of Technical Sciences of the TsKTI, and Ya.S. Khaynovskiy, Engineer, of the KhtZ im. Kirov; 13) "Liquid cooling of the body of a gas turbine. Some problems of designing" read by I.A. Pasenko of the LKZ; 14) "The effect of
Card 3/5

The 14th scientific and technical session...

S/143/61/000/007/004/004
D053/D113

the spacing and thickness of diffuser vanes on the operation of a turbine stage" read by A.M. Zavodovskiy, Candidate of Technical Sciences, of the TsKTI; 15) "An investigation of a system of preparing heavy fuels for marine gas turbine plants" read by R.M. Yutkevich, Engineer, of the TsNII morskogo flota (TsNII of the Maritime Fleet); 16) "The vortical burble in axial compressors" read by V.N. Yershov, Candidate of Technical Sciences, of the Khar'kovskiy aviatsionnyy institut (Khar'kov Aviation Institute). The session adopted a resolution emphasizing the necessity to intensify scientific research on the following problems: the development of a gas turbine plant with a capacity of 200, 300 and more mgvt [Abstracter's note: mgvt is erroneously rendered in the text as mg]; the development of a highly efficient cooling system for the basic turbine components, especially for the blades; the development of new heat-proof materials; the development of methods for the preliminary refining of sulfurous oil and the reduction of detrimental admixtures in liquid fuels, such as vanadium, sodium, sulfur, etc.; the intensification of the development of heat-exchange equipment and the expediency of establishing a specialized enterprise for designing, investigating and producing heat exchangers for gas turbine plants; the intensification of the development of low-capacity gas turbine plants for various branches of

Card 4/5

S/143/62/000/006/008/008
D238/D308

AUTHOR: Stul'nikov, N. P., Candidate of Technical Sciences

TITLE: Gas-turbine problems

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Energetika,
no. 6, 1962, 130-132

TEXT: A scientific-technical conference was convened by the Komissiya po gazovym turbinam Akademii nauk SSSR (Gas-Turbine Commission of the Academy of Sciences, USSR) on December 20 and 21, 1961, to deal with problems associated with the design of efficient and reliable combustion chambers for fixed and traction gas-turbine plants. 70 specialists from 29 scientific research institutes, colleges and turbine plants participated. Ya. P. Storozhuk of TsKTI presented a paper "Results of investigations of geometrically-similar multi-register combustion chambers operating on liquid fuel", giving the results of experimental investigations on 3 models of chambers with flame pipe diameters 640, 510 and 400 mm. O. V. Dubrovskiy, L. A. Kuznetsov and E. G. Narezhnyy of NZL and Lenin-

Card 1/3

S/143/62/000/008/004/004
I011/I242

AUTHOR: Stul'nikov, N.P., Candidate of Technical Sciences

TITLE: Problems of high-power gas turbines-technical
information

PERIODICAL: Energetika, no. 8, 1962, 123-125

TEXT: The growing part of gaseous and liquid fuels in the fuel balance of the country opens favourable prospects for the use of high-power gas-turbine plants. The advantages of these over steam plants include smaller capital and metal investments and greater mobility and ease of maintenance. The XV-th session of the Komissiya po gazovyn turbinam AN SSSR (Gas-turbine Committee of the AS USSR), held in Moscow on April 3-5, 1962, was dedicated mainly to the discussion of problems connected with the construction ✓

Card 1/5

S/143/62/000/008/004/004
Iol1/I242

Problems of high-power gas...

air surplus; (7) efficient and reliable combustion chambers of the block and ring types; (8) steam and gas mixtures of required quality (no deposits in the flow parts); (9) the complex of problems connected with securing stable and economic operation in starting and operating with alternating loads; (10) conditions of complex tensions in standard turbine parts caused by thermal tensions, and determination of strength criteria for materials working under these conditions; (11) high-speed starting of high-power peak gas-turbine plants. Among the proposals raised were: (1) summoning of a discussion council of representatives of different institutions for determining and choosing the future methods of development; (2) the organization of a 10-year plan for the introduction of gas-turbine plants into energetics; (3) creating

Card 4/5

S/143 '62/000/008/004/004
I011/1242

Problems of high-power gas...

of a specialized organisation to deal with design, manufacturing, and research of heat-exchange apparatus for the turbine industry; (4) speedier investigation of liquid fuels and additives; (5) speedier completion of work on the creation of 3 to 4 samples of 100 MW plants.

ASSOCIATION: Institut dvigatelye AN SSSR (Motor Institute of the AS USSR)

SUBMITTED: May 8, 1962

5/5

STUL'NIKOV, N.P. kan. doklady.

Large gas turbines. Sov. vys. ucheb. zav.; energ. 5 no. 8:
123-125 Ag '62. (MIRA 17:7)

1. Institut dvigateley AN SSSR.

STUL'NIKOV, N.P., kand. tekhn. nauk

Conference on Gas Turbines, held in Leningrad. Vest. AN SSSR
33 no.10:114-115 0 '63. (MIRA 16:11)

ON 4 APRIL 1971, THE U.S. AIR FORCE (USAF) AND THE U.S. NAVY (USN) MET IN WASHINGTON, D.C. TO DISCUSS THE

STATUS OF THE U.S. AIR FORCE (USAF) AND THE U.S. NAVY (USN) MET IN WASHINGTON, D.C. TO DISCUSS THE

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STATUS OF THE U.S. AIR FORCE (USAF) AND THE U.S. NAVY (USN) MET IN WASHINGTON, D.C. TO DISCUSS THE

Machinery Construction and acoustic calculation and measures for reducing

Card 1/2

The recommendations included experimental investigations leading to the development of efficient single-casing axial-flow compressors with

up to 60-120 atm; improvements in aerodynamics and design of inlet and outlet nozzles and gas-air passages in turbines and compressors; an in-

ASSOCIATION: none

DESCRIPTION: none

NOTE: none

SUB CODE: A

Card 1

STUL'NIKOV, V.I., inzhener.

Remarks on [dotsent] E.K.Meizin's article "Self-exciting clutch with
a collector" by V.I.Stul'nikov with an answer by Mezin. Elektrichestvo
no.4:86 Ap '54. (MLR 7:5)
(Electric machinery) (Clutches (Machinery)) (Mezin, E.K.)

~~STILL IN THE FUTURE~~

Simplified graphoanalytic method for calculating the mechanical characteristics of asynchronous motors with dynamic braking. Nauch.zap. IMA AN URSR. Ser.avtom. i izm. tekhn. 5:259-273 '55.

(MLRA 9:10)

(Electric motors)

STUL'NIKOV, V. I.

AID P - 3248

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 3/25

Author : Stul'nikov, V. I., Kand. Tech. Sci., L'vov

Title : Calculation of the maximum torque and the critical slip during dynamic braking of induction motors

Periodical : Elektrichestvo, 9, 15-18, S 1955

Abstract : The author derives analytical terms for currents and moments corresponding to the critical slip during the braking of an induction motor. He accounts for the continuous change of saturation of the steel of the motor during the braking process. He demonstrates that the magnetizing current corresponding to the critical slip is determined by the equality of the subtangents to the magnetizing and rotor current curves. He suggests a graphical method of determining the magnetizing current and on the basis of its curve, builds the curves of maximal moment and slip. He calculates these analytically and

AID P - 3248

Elektrichestvo, 9, 15-18, 8 1955

Card 2/2 Pub. 27 - 3/25

and compares the results. Two numerical examples, 4 diagrams, 4
Soviet references, 1936-1950.

Institution : None

Submitted : Mar 23, 1955

STUL'NIKOV, V.I., kand.tekhn.nauk; LAPCHENKO, P.I., kand.tekhn.nauk;
KLIMENKO, L.I., inzh.; ANAN'YEV, K.Ya., inzh.

Analysis of the operation of the VAK-12⁵⁰⁰/300 automatic
current stabilizing system. Prom. energ. 20 no.7:27-31
Jl '65. (MIRA 18:12)

MAL'CHEV, Sergey Mikhaylovich; STUL'NIKOV, V.S., otvetstvennyy redaktor;
NADEINSKAYA, A.A., tekhnicheskiy redaktor; ALADOVA, Ye.I.,
tekhnicheskiy redaktor

[Mine hoisting equipment mechanic] Mashinist shakhtnoi pod'emnoi
ustanovki. Moskva, Ugletekhizdat, 1956. 309 p. (MLRA 9:10)
(Mine hoisting)

11D

CA STUL'NIKOVA, R. I.

Content of nicotinic acid and tryptophan in seeds of kidney bean in sprouting and ripening. K. M. Lautskil and R. I. Stul'nikova (Chernovitski State Univ.). *Doklady Akad. Nauk S.S.S.R.* 80, 919-20(1951). As the seeds sprout nicotinic acid accumulates while total tryptophan (I) drops after 3 days, until which period an increase of free I is observed. In early ripening of the bean nicotinic acid is rather high (32 mg. %) but this drops by a factor of nearly 5 by the time of complete ripening. I rises very slightly during this period, largely due to increase of the bound form with a decrease of free I. G. M. Kosolapoff

1952

STUL'NIKOVA, R. I.

Dissertation: "Biosynthesis of Nicotinic Acid and N'-Methyl Nicotinamide in Certain Legumes and Grasses." Cand Biol Sci, L'vov State U, L'vov, 1954. (Referativnyy Zhurnal--Khimiya, Moscow, No 10, May 54)

SO: SUM 318, 23 Dec 1954

USSR / Plant Physiology. Photosynthesis.

I

Abs Jour : Ref Zhur .. Biol., No. 1, 1959, No 1298

Author : Stul'nikova, R. I.

Inst : Chernovitsy University

Title : Effect of Nicotinic Acid on the Assimilation of Phosphates
from the Nutrient Medium by Maize

Orig Pub : Nauchn. Yozhegodn., Chernovitsk. Un-t, 1, No 2, 16-20
1956(1957)

Abstract : Maize was grown in aqueous cultures on Knop's complete
mixture. Beginning with germination, until the age of
20 days, there was observed an increase in the plants'
content of nicotine acid (determined by Iosikova's me-
thod) and common F (determined according to Briggs),
which was more pronounced upon adding to the nutrient
solution 0.25 grams of KH_2PO_4 , and which increased still

Cerd 1/2

STUL'NIKOVA R. I.

USSR/Physiology of Plants - Respiration and Metabolism.

I-2

-Abs Jour : Ref Zhur - Biol., No 3, 1958, 10382

Author : Stul'nikova, R.I.

Inst : Chernovtsy University.

Title : Biosynthesis of N' - Methylnicotinamide in Some Plants

Orig Pub : Nauk. zap. Chernivets'k. un-t, 1956, 23, 102-114.

Abstract : The presence of N-methylnicotindiamide /sic/ has been discovered in germinating haricot, wheat, and corn seeds. As the seeds germinate the N-methylnicotindiamide content increases parallel to the increase in content of nicotinic acid. During the milk ripeness phase the pods /okoloplodniki/ of ripening haricot seeds contained more N-methylnicotindiamide than the seeds; in the wax ripeness stage the seeds contained more than the pods. N-methylnicotindiamide was synthesized in vitro by incubating

Card 1/2

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10382

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cuttings from haricot, wheat, and corn shoots, together with cuttings from their ripening (wax ripeness) seeds and pods, in nicotinamide and methionine under the influence of methylation ferment. The greatest intensity of synthesis was noted on the sixth day of germination / This whole sentence is unclear/. Ferment was more intense in seeds of the milk ripeness phase than in those of the wax ripeness phase.

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ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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Crystals - Structure

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presented, including Kiteygorodskiy's "Pseudosymmetry
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29/49176

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EA 25/49T104

USSR/Physics
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Session convened 21-26 May 48 and judged 37
reports dealing with mineralogy and crystal-
lography. Prof I. I. Shafranovskiy, Director
of the Institute, termed the meeting a huge
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Ice crystals. N. N. Stukov. *Zapiski Leningradskogo Mineral. Obshchestva* (Min. soc. russ. mineral.) 78, 172 (1949). Particularly large (5-7 cm. length and diam.) and well-developed ice crystals were found in a north-west Siberian mine, at 55-60 m. depth, in a dome of about 10 m. diam., 5 m. width and height. Crystallographic measurements were done with an ordinary contact goniometer (accuracy $\pm 1^\circ$). The most frequent forms are the basal pinacoid and the hexagonal bipyramid $a/b = 1.60$. In the deeper parts of the same mine, ice crystals are also found in the ore-impregnated veins (the ore is chalcopyrite). These crystals were formed in cavities in the rock, during a period of 11 yrs. when an interruption of the mining took place. These show excellent development. This ice formed from water which percolated from the surface down to the sulfide ores and partly decompd. them. Needle-shaped ice was observed in cavities from which the water was removed during the mining; they only show the hexagonal prism and pyramid, no basal pinacoid. In many respects, especially in the numerous gas and liquid inclusions, these ice crystals are similar to quartz crystal. in geodes. W. Eitel

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